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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 10067.33-2014

**Basic specifications for electroheat installations-Part 33: Mains
frequency induction crucible furnace for melting copper**

电热装置基本技术条件 第33部分：工频无心感应熔铜炉

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Foreword

GB/T 10067 "Basic electric device technical conditions" existing 19 sections.

- Part 1. Common part;
- Part 2. Arc heating device;
- Part 3. induction electric device;
- Part 31. IF coreless induction furnace;
- Part 32. voltage-frequency multi-station frequency coreless induction furnace complete sets of equipment;
- Part 33. frequency coreless induction melting Tonglu;
- Part 4. Indirect resistance furnaces;
- Part 41. network with resistance heating unit;
- Part 42. Push resistance heating unit;
- Part 43. Forced convection Pit resistance furnace;

- Part 44. Box-type resistance furnace;
- Part 45. vacuum hardening furnace;
- Part 46. Bell-type resistance furnace;

1 Scope

GB/T 10067.33-2014 is the Chinese national standard on basic specifications for electroheat installations-part 33: mains frequency induction crucible furnace for melting copper, in the field of manufacturing engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 3 September 2014 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 February 2015. Classification: ICS 25.180.10, CCS K61. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This section GB/T 10067 specifies the GWT series frequency coreless induction melting copper furnace (hereinafter referred to as melting copper furnace) product classification, technical Requirements, test methods, inspection rules, marking, packaging, transportation, storage, and ordering and delivery. This section applies to a rated capacity of 0.60t, 0.90t, 1.2t, 1.8t, 3.6t, 6.0t, 8.5t, 12t, using refractory crucible GWT series of copper and copper alloy no furnace to smelt copper based.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 2900 (all parts) Electrotechnical Vocabulary

GB/T 2900.23-2008 Electrotechnical terminology Industrial Heating Equipment

GB/T 3984.1-2004 Power capacitors for induction heating installations - Part 1. General

GB 5959.3-2008 Safety of electric devices - Part 3. induction and conduction heating and induction melting means of special apparatus Claim

GB/T 10066.1-2004 Test methods for electroheat installations - Part 1. General section

GB/T 10066.3-2004 Test methods for electroheat installations - Part 3. coreless induction furnace

GB/T 10067.1-2005 basic technical conditions for electric devices - Part 1. General section

GB/T 10067.3-2005 Electric equipment basic technical conditions - Part 3. induction electric device

JB/T 8669-1997 semiconductor frequency induction heating device

JB/T 9691-1999 Heating Equipment Model methodology

3 Terms and Definitions

GB/T 2900 the various parts, especially the GB/T 2900.23-2008 defined and the following terms and definitions apply to this document.

3.1 Induction melting inductionmelting Melting of the use of induction heating.

3.2 Induction melting furnace inductionmeltingfurnace Solid state charge melting and melting in an induction furnace.

3.3 Crucible crucible Such as steel, copper or graphite is made of refractory material or a conductive material is melted charge for holding containers.